

Title (en)
Equipment and process for gas-phase olefin polymerisation

Title (de)
Vorrichtung und Verfahren zur Olefinpolymerisation in der Gasphase

Title (fr)
Appareil et procédé pour la polymérisation d'oléfine en phase gazeuse

Publication
EP 0830892 B1 20010919 (EN)

Application
EP 97306295 A 19970819

Priority
FR 9610538 A 19960823

Abstract (en)
[origin: EP0830892A1] The invention relates to an equipment for gas-phase polymerization of olefin(s), including a reactor (1) with a fluidized and optionally mechanically stirred bed, and a conduit (12) for withdrawing polymer, provided with an isolation valve (13), and a conduit (24) for emptying polymer, provided with an isolation valve (25), the said conduits (12,24) connecting the side wall of the reactor (1) to a single recovery gas lock (14) equipped with a discharge valve (16), equipment characterized in that the withdrawal conduit (12) leaves the side wall of the reactor at a height of the reactor wall, above the fluidization grid, ranging from 0.60 x H to 0.95 x H, while being directed downwards, with the result that any part of the said conduit forms with a horizontal plane an angle A ranging from 35 to 90 DEG , and in that the emptying conduit (24) leaves the side wall of the reactor at a height of the reactor wall, above the fluidization grid, ranging from 0.01 x H to 0.20 x H. <IMAGE>

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Cited by
US6472483B1; EP1080782A1; SG82693A1; GB2381764A; US6420498B1; WO03011920A1; US7582710B2; US7807761B2; US7655192B2; US7812102B2; US6872918B2; EP2330135A1; WO2011066892A1; US8476383B2

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